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USERVIEW™ instructions consumer tested for clarity APPROVED
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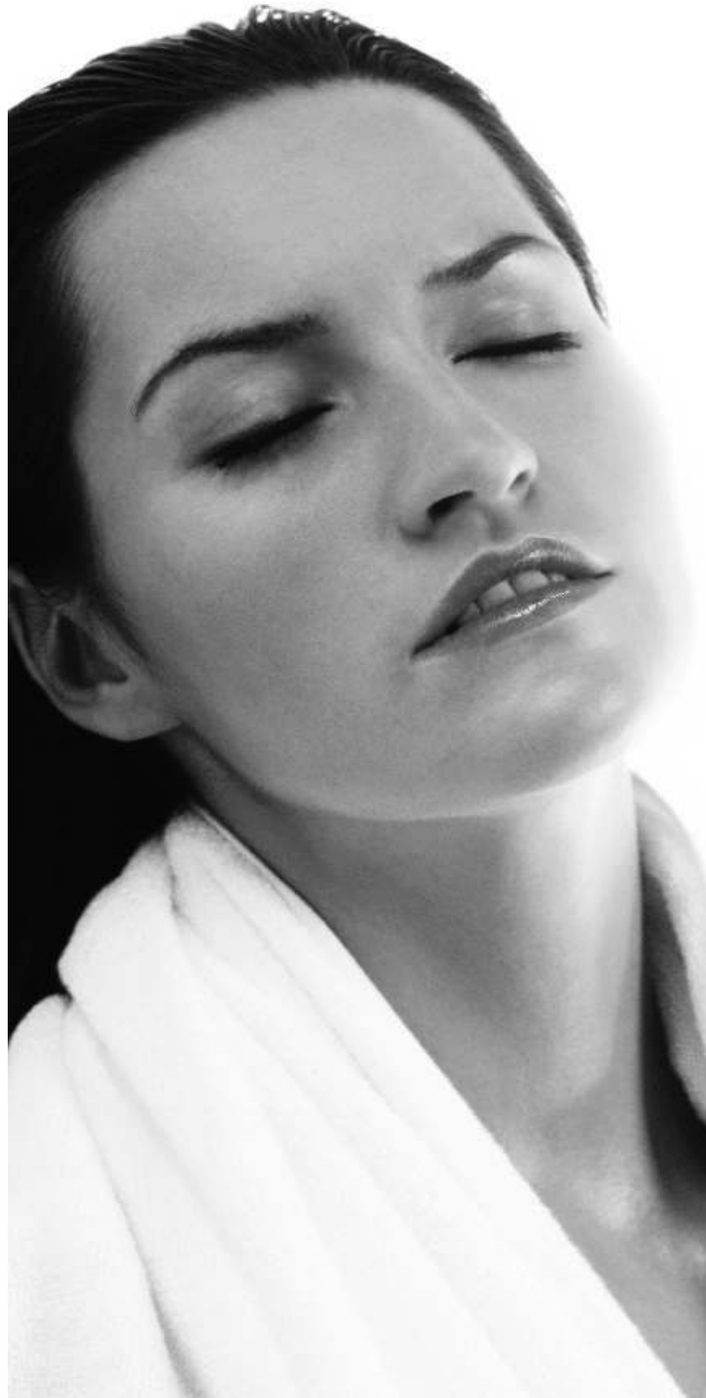


BRISTAN

Installation Instructions And User Guide

Bristan Evo Electric Showers

Please keep this booklet for furture reference.

Installer, when you have read these instructions, please insure you leave them with the user.

404-0193B

Contents

Important safety information....3

Product features....4

Electrical requirements....5-6

Water requirements....7

Plumbing connections....8

Electrical connections....9

Fixing your shower to the wall....10

Fitting the riser rail....10

User instructions....11

Operating the shower....11

Adjusting the showerhead....12

Cleaning & maintenance....13

Troubleshooting....13

Spare parts....14

Guarantee....15

Service policy....15

Guarantee

Guarantee

Thank you for purchasing a Bristan product. This product has been designed, manufactured and tested, in the U.K., to the highest standards.

Guarantee: 2 Years.

This guarantee applies to products purchased within the United Kingdom or Republic of Ireland, but does not apply to products used commercially.

This is provided that:

1. The guarantee registration card is completed and returned within ten days complete with a copy of proof of purchase. Proof of purchase is required for any servicing requirements.

2. The product is installed and operated in accordance with our instructions and has not been misused or damaged.

This in no way affects your statutory rights as a consumer.

The information on the Guarantee card helps Bristan to process any claims and contact you about your product and its maintenance if required. The registration of your personal details is purely for Bristan use and the remaining information helps us to make products for the future.

Should a complaint arise, products are guaranteed against faulty workmanship and materials for a period of 12 months from the date of purchase, when in domestic use (second year guarantee is parts only). For your guarantee to be valid, your shower must be installed by a competent person, in accordance with the instruction manual.

Bristan will repair or replace (at our option), free of charge, any faulty components during the guarantee period, provided it has been maintained and operated in accordance with our instructions, and has not been misused or damaged.

Modification or repair of this product by person(s) not authorised by Bristan will invalidate this guarantee.

This guarantee does not affect your statutory rights.

Service Policy

Replacement Parts Policy

IMPORTANT:

In the event of product or component malfunction, **DO NOT** tamper with or remove the product from site. Telephone the Customer Services Department on 0844 7016273 and be prepared with the date of purchase, model number and a clear description of the complaint.

Our service staff are fully qualified to advise on correct installation procedures and will be able to diagnose whether the fault will require a replacement part or a visit from a Bristan engineer.

If required, a service call will be booked and either yourself or an appointed representative (who should be a person of 18 years or over) must be present during the visit.

All site visits to product within the guarantee period will be carried out free of any parts or labour charges provided the conditions of the guarantee have been adhered to (the second year guarantee is parts only).

All site visits to product out of guarantee will be subject to charges for parts and labour which is payable by you or your appointed representative at the time of the visit. Charges will also be levied on cancelled appointments, unless advised to Bristan at least 24 hours in advance of the agreed date and time.

We reserve the right not to undertake work where payment cannot be made to our engineer at the time of the visit.

Bristan hold stocks of components for all their range of products and these will be maintained for the duration of their life.

Should a product be discontinued, spare parts stocks will be maintained, but in the event of a part becoming unavailable Bristan reserve the right to supply a substitute of equal quality.

The following payment methods can be used to obtain spare parts:

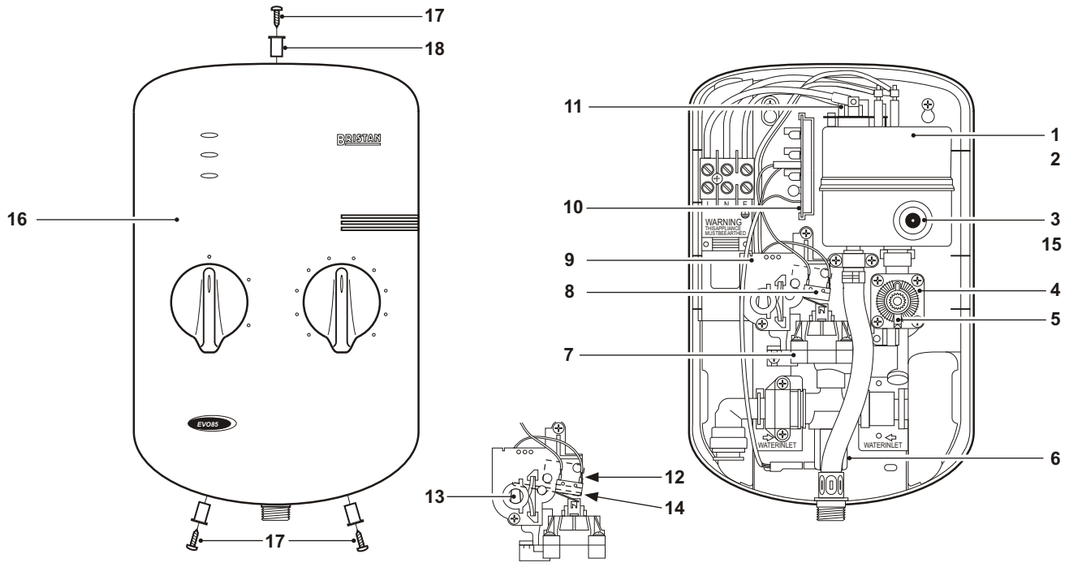
By post, pre-payment of proforma invoice by cheque or postal order.

By telephone quoting credit card (MasterCard, Visa or Visa Delta) details.

Customer Service Hotline:

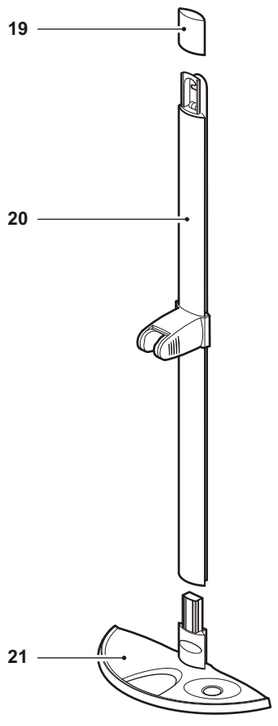
Tel:0844 7016273 • Fax:0844 7016275

Spare Parts



No.	Part No.	Description	85	95
01	SP-092-0501	8.5kW Heating Canister	X	
02	SP-092-0502	9.5kW Heating Canister		X
03	SP-092-0425	PRD Cap & Shear Pad	X	X
04	SP-092-1042	Stabiliser Valve (High Flow)	X	X
05	SP-092-0423	Temperature Clicker	X	X
06	SP-092-0426	Solenoid	X	X
07	SP-092-0291	Pressure Switch Assembly	X	X
08	SP-092-1050	Low Pressure Microswitch with Lever	X	X
09	SP-092-1025	Camshaft Retention Plate	X	X
10	SP-092-0420	Phased Shutdown PCB	X	X
11	SP-092-1133	2 Stage Thermal Cut-out	X	X
12	SP-092-1077	Microswitch - 25 amp	X	X
13	SP-092-1027	Camshaft	X	X
14	SP-092-1085	Microswitch Operating Lever Assembly	X	X
15	SP-092-1060	Pressure Relief Device Assembly	X	X
16	SP-Cover*	Cover & Knob Assembly	X	X
17	SP-092-0018	Cover Retaining Screw	X	X
18	SP-092-0429	Screw Bush	X	X
	SP-5020	8.5 Base Assembly Complete	X	
	SP-5021	9.5 Base Assembly Complete		X
	SP-285-0820	1.50 x 8mm Shower Hose	X	X
	SP-168-0205	Handset	X	X
	SP-320-0026	Hose Washer	X	X
19	SP-280-0024	End Cap & Fixing Kit	X	X
20	SP-280-0100	Sprit Rail & Slider Assembly	X	X
21	SP-280-0033	Soap Dish & Rail End Shelf	X	X

*Please state model of shower



Important Safety Information

- Please read these instructions thoroughly and retain for future use.
- All products manufactured and supplied by Bristan are safe provided they are installed, used correctly and receive regular maintenance in accordance with these instructions.
- **If you are in any doubt what so ever about your ability to install this product safely you must employ the services of an experienced qualiifed plumber.**
- ⚠ **Warning:** Do not operate the shower unit if you suspect it is frozen. Do not site the shower unit where it might be subjected to freezing conditions.
- Do not operate the shower unit if the showerhead or spray hose has been damaged of is blocked.
- Do not block the flow of water from the showerhead, by placing it (smothering it) on your hand or any other part of your body or foreign object.
- Do not operate the shower if the water stops flowing during use or if the water is leaking from the shower unit itself.

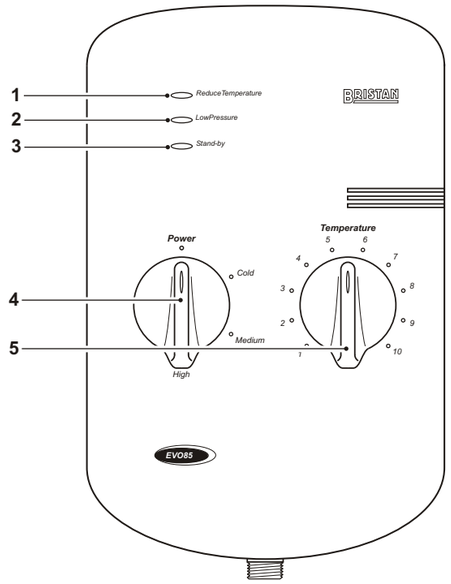
General Safety

- Always switch off the power at the consumer unit and remove the correct circuit fuse before making any electrical connections or if you have to remove the cover of an installed unit.
- The unit must be mounted on the finished wall surface (usually tiled). Under no circumstances must you tile up to the unit after fixing it directly to the bare wall as this may cause overheating and activate the pressure relief device (PRD).
- If the shower unit is fitted in a hard water area, a scale inhibitor may have to be fitted and the filter cleaned regularly. For more advice on obtaining a scale inhibitor, contact Customer Services on **0844 7016273.**

BEAB Approved

BEAB (British Electrotechnical Approvals Board) approval of safety.

Product Features



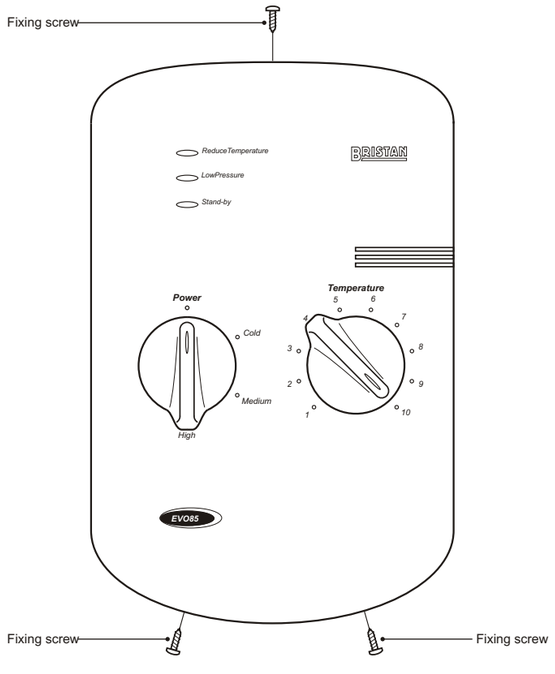
1. Reduce Temperature Indicator
Indicator light to show when the temperature selection is too high.

2. Low Pressure Indicator
Indicator light to show low incoming water pressure.

3. Standby Indicator
Status light for standby informs the unit is ready for operation.

4. Power Control
Adjustable power settings: Cold, Medium and High.

5. Temperature Control
Adjustable Temperature Control



Removing cover

Screws (x3)

Please note that this product comes packaged with the front cover already in place. This has to be removed to install the shower. Please follow the procedure below.

Remove all three fixing screws. The cover can now be removed.

See page 9 for safely re-ftting cover.

Troubleshooting

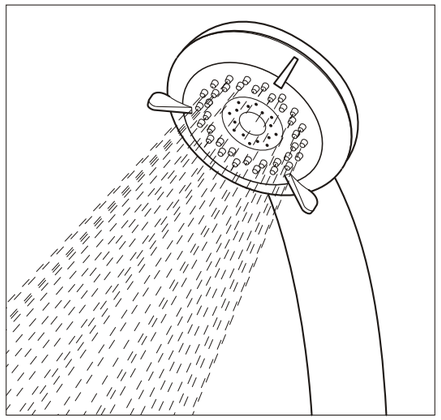
⚠ **Warning:**Before carrying out general repairs or testing the shower, ensure that the electricity supply is turned off at the mains and the correct circuit is removed.

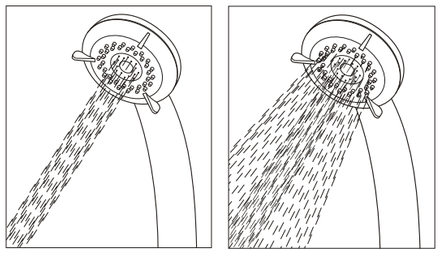
Symptom	Likely Cause	Action/Remedy
Standby lights not on.	Fuse Blown. Power supply interupted.	Examine electrical supply to shower.
No water flow.	Isolating valve. Power supply not on.	Turn on.
Low pressure light on.	Water pressure has fallen below the minimum requirement.	Check running pressure. Wait until pressure increases to 1.0 bar.
Water temperature too hot.	Insufficient water flowing through the shower.	Clean the Handset. Increase the flow by adjusting the temperature control knob to a cooler setting. Reduce the power setting.
Shower runs hot and cold during use.	Water pressure is at minimum requirement.	Check running pressure. Wait until pressure increases.
Reduce temperature light comes on.	Insufficient water flowiing through the shower.	Reduce temperature setting (increase flow rate). Reduce power setting.
Water from pressure relief outlet - PRD activated.	Obsruction in hose or handset. Unit frozen.	Call Customer Services to obtain a new RPD, Install in accordance with manufacturer's instructions.

Do not attempt to repair the Pressure Relief Device, once activated it must be replaced.

Understanding your Shower

- If the performance of your shower deteriorates and runs continually hot, ensure that the handset or hose has not become restricted.
- It is the speed of water passing through the heating elements that directly determines the showering temperature. The slower the water passes through, the hotter the shower will be. The faster the water flow, the cooler the shower.
- The cold mains water temperature entering your property will be much cooler in the Winter than in the Summer months. This will have an effect on the shower setting at different times of the year.
- It will be necessary to adjust the temperature or power control settings throughout the year to accommodate this change.
- This shower contains a stabilising valve that will minimise temperature changes at the shower head, due to pressure variations in the incoming cold water supply. If any fluctuation in temperature is experienced, the most likely cause will be that other appliances are being used within the house at the same time as the shower. If the incoming water pressure to the shower drops below the minimum requirement of 1 bar (running pressure) the shower will automatically turn off the power to the heating elements.





Please ensure the commissioning procedure has been carried out. If you did not ft this shower yourself and you are about to use it for the first time, check with the installer to ensure he or she has run the Commissioning - Preparation for First Use procedure as described on page 11.

It is always advisable to test the water temperature with your hand before stepping under the shower. Please note that there is always a delay of a few seconds between you selecting a temperature setting and the selected water temperature starting to flow.

The elderly, the disabled and young children should be supervised prior to and possibly during the use of this shower.

IMPORTANT: The shower unit must be switched off at the isolating switch (pull cord) when not in use.

Adjusting the Showerhead

Your Bristan showerhead has 3 spray modes - spray, jet spray and combination. Simply rotate the spray head one way or the other to the desired spray pattern.

Cleaning the shower head

Your Bristan showerhead has a rub-clean pad for easy cleaning. Simply rub your fingers across the rubber spray jets and turn the shower on to remove any scale or debris. You might want to repeat this procedure if the build up of scale is excessive.

Cleaning and Maintenance

Before attempting to clean your shower unit you must switch off the power at the isolating switch. Do not remove the cover.

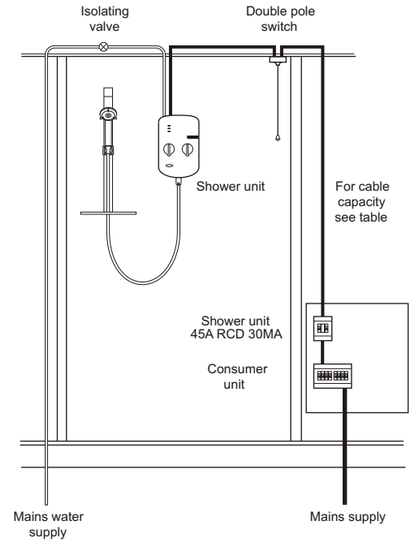
Do not use abrasive cleaners or solvents to clean this unit. The shower unit and accessories should be cleaned with a clean, soft cloth using warm water.

The hardness of the water in your area will determine how often you should clean your showerhead. Build up of scale can come quickly and in particularly hard water areas combined with constant use you may need to clean your showerhead once a week.

Electrical Requirements

⚠ This appliance MUST be earthed!

	Rating at 240V	Rating at 230V	Cable Size
EVO 85	8.5kW	7.8kW	6mm²
EVO 95	9.5kW	8.7kW	10mm²



The Electrical Installation and Circuit Protection of this shower must comply with I.E.E. Wiring Regulations and should be checked by a Qualified electrician prior to use.

Please note: You must switch off the power at the consumer unit and remove the correct circuit fuse before making any electrical connection.

The shower must only be connected to a 230-240V ac supply. The electrical rating of your shower is on the pack or on the rating plate label.

The shower must be connected to its own independent electrical circuit. It must not be connected to a ring main, spur, power socket, or lighting circuit. You will need to check the mains fuse box has a spare fuse way capable of taking the fuse or mcb (miniature circuit breaker) necessary for the shower. The main fuse box must have a main switch rating of 80A or above.

If you don't have a spare fuse way or the rating at the main fuse box is below 80A, you should seek advice from an electrician and may need a new consumer unit - specifically for the shower.

Supplementary bonding: All accessible conductive (metal) parts within the bathroom or shower room must be bonded to earth using a minimum cable size 4.0mm² (2.5mm² if cable is mechanically protected). Typically, metal baths, radiators, water pipes, taps and metal waste fittings must all be electrically bonded together.

Important: Voltage drop in the supply to the premises, due to heavy local demand, will affect the performance of your shower.

To ensure optimum performance and trouble-free service from your shower, care should be taken during installation. This shower incorporates a pressure relief device, in the unlikely event of the device discharging, it is advisable to position the shower unit over the bath or shower tray.

To gain the optimum power possible from this shower unit try to find the shortest possible route from the consumer unit to the shower to run your cable.

A separate and permanently connected cable must be taken from the consumer unit directly to the shower via a double pole switch with a minimum contact separation gap of 3mm in all poles. It is recommended that a residual current device 45amp (RCD) formerly known as an earth leakage circuit breaker (ELCB) with a tripping current of 30mA, is incorporated in the circuit.

Electrical Requirements Cont.

an earth leakage circuit breaker (ELCB) with a tripping current of 30mA is incorporated in the circuit. This may be part of the existing consumer unit or a separate unit.

The isolating switch can be a ceiling mounted pull cord switch within the bathroom or wall mounted in an adjacent room. The power switch must be easily accessible and identifiable as the supply to the shower.

The current carrying capacity of the circuit must be at least that of the shower circuit (see table A).

In domestic installations you must ensure that the electrical supply and existing fuse board are adequately rated.

Do not turn on the electrical supply unit until the plumbing has been completed and the shower cover re-ftted.

Table A

Twin and Earth PVC Insulated Cable		
Current Carrying Capacity		
In an insulated wall	**In conduit or trunking**	**Clipped direct or buried in a non insulated wall**
6mm²	6mm²	6mm²
32A	38A	46A
10mm²	10mm²	10mm²
43A	52A	63A
Note: Cable selection is dependant on derating factors		

User Instructions

Commissioning-Preparation for First Use

- Ensure that the ‘Power Selector’ knob is turned fully anti-clockwise to read ‘Power Setting’.
- Rotate the ‘Temperature Control’ knob fully clockwise.
- Turn on the water supply and inspect for water tightness.
- Turn on the electricity supply and the ‘Standby’ neon will illuminate.
- Rotate the ‘Power Selector’ clockwise, to the ‘Cold’ position. Water will flow from the handset at minimum flow. Allow the water to run freely for 60 seconds.
- Turn the temperature knob to mid-position.
- Rotate the ‘Power Selector’ clockwise to the ‘Medium’ position. The water temperature will gradually increase.
- Rotate the ‘Power Selector’ clockwise to the ‘High’ position and the water temperature will increase further.
- To select your ideal shower temperature, rotate the ‘Temperature Control’ clockwise to increase and anti-clockwise to decrease.

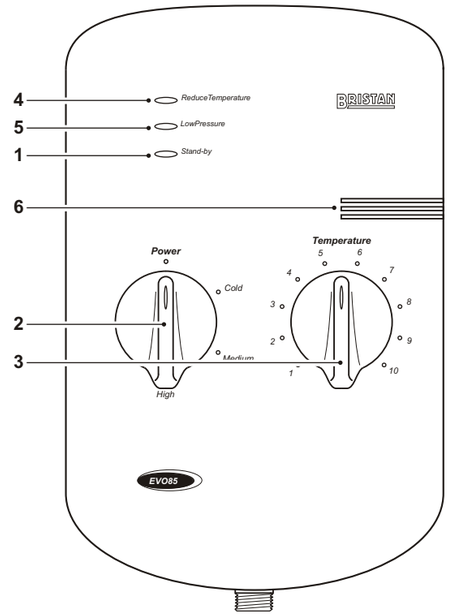
  Note: When the temperature setting is adjusted, the flow rate of the water will change, after a short time the temperature will stabilise.
- To turn the shower off, rotate the ‘Power Control’ knob anti-clockwise to the ‘Off’ position. The shower will run on for a few seconds to flush out excess hot water from the unit and help prevent limescale build-up.
- The setting of the temperature control will vary in some months of the year, due to the change in temperature of incoming mains water.

Operating the Shower

PLEASE SEE NOTES BEFORE OPERATING THE SHOWER

- Ensure that both the water and electricity supplies to the shower are turned on. When the ‘Standby’ light (1) is illuminated the shower is ready for use.
- Rotate the ‘Power Selector’ control (2) to the desired power setting.
- Rotate the ‘Temperature Control’ (3) until your desired showering temperature is achieved.
- If the correct showering temperature cannot be obtained, it may be necessary to adjust the ‘Power Selector’ (2) or ‘Temperature Control’ (3) to an alternative setting.
- If the ‘Reduce Temperature’ light (4) becomes illuminated, it is indicating that the temperature setting is too high to allow sufficient water flow over the heating elements. Lowering the temperature setting slightly will allow the shower to function correctly. The unit may take a few seconds to reset.

  Note: The speed of reset may be affected by the incoming water temperature and will be particularly noticeable during long spells of hot weather.
- If the ‘Low Pressure’ light (5) is illuminated, it is indicating that the incoming water pressure has fallen below the minimum requirement Specified for the correct operation of the shower. The shower heating element will turn off automatically, to prevent discomfort for the user.
- When you have finished showering, rotate the ‘Power Selector’ (2) anti-clockwise, to the ‘Off’ position.



1. Standby Indicator
2. Power selector
3. Temperature Control
4. Reduce Temperature Indicator
5. Low Pressure Indicator
6. Pressure Relief Outlet Grill

Important Shutdown Advice

Important - Phased Shutdown: After showering, water will continue to flow for a few seconds to allow excess heat, stored within the electrical elements, to be discharged. This will reduce the formation of limescale and prolong the life of your shower.

The shower should be turned off at the isolating switch when not in use.

Note: The shower incorporates a pressure relief device; in the unlikely event that the valve discharges water through the ‘Pressure Relief Outlet Grill’ (6), please contact the Customer Service Department.
Telephone: 0844 7016273 for assistance.

NOTES

Warning: This appliance is not intended for use by persons (including) children with reduced physical, sensory or mental capabilites, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

IMPORTANT: Children should be supervised to ensure that they do not play with the appliance.

Fixing Your Shower to the Wall

⚠ **Warning!**Please check for any hidden pipes and cables before drilling holes in the wall.

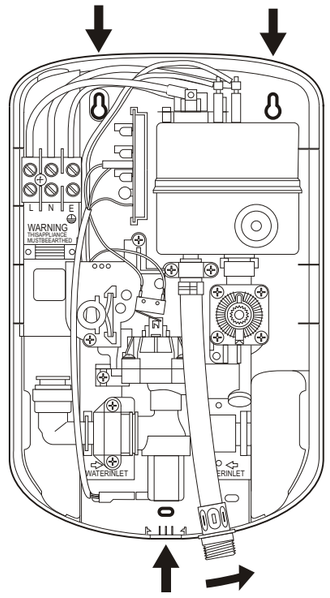
Remove the three cover retaining screws (detailed on page 4) and lift off the cover. Do not try to remove the control knobs from the cover. They are an integral part of the cover and must not be removed.

Depending on your choice of cold-water entry direction, you may need to remove thin areas of plastic cover to facilitate pipe work entry to the unit.

If you are fitting the unit to a partition wall or a wall of particularly soft friable substrate, you will need specialist fixings. For specialist fixings advice visit: enquire@bristan.co.uk or contact Customer Services on 0844 7016273.

Select the position for the shower and offer the shower back plate to the wall, marking the 3 fixing points with a suitable pencil. Remove the back plate from the wall, drill 6mm diameter holes to a depth of 35mm, insert the wall plugs and secure the back plate to the wall ensuring it is perfectly straight using the 35mm screws provided.

Re-ft cover ensuring the Power Control knob is at the 12 o'clock position and the Temperature Control knob is turned to the highest temperature point.



Fitting the Riser Rail

Before proceeding with fitting the rail, identify each of the items supplied using the illustration on your right.

The Slider should not be removed from the rail during fitting. The top of the slider has a smooth profile whereas the underside has a recess revealing the grooves on the handset holder.

Fit the soap dish onto the bottom end of the rail and secure using the small screw from the kit.

Position the rail on the wall, bearing in mind the different heights of people likely to use the shower and the length of the hose when connected to the shower and passed through the retaining hole in the soap dish. Mark the wall to indicate the upper fixing screw position. Screw centres are 605 mm (approx. 23 - inches,) apart.

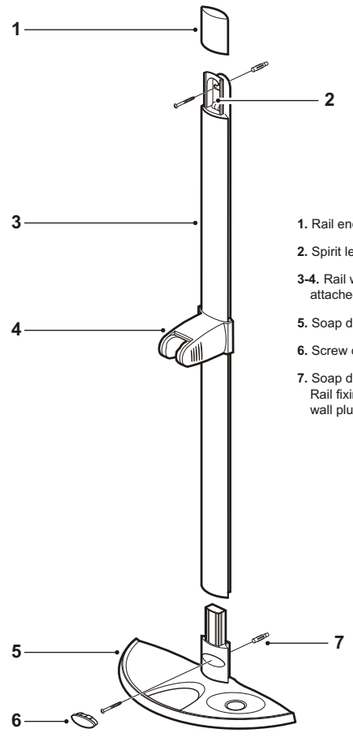
⚠ **Warning!**Please check for any hidden pipes and cables before drilling holes in the wall.

Drill the wall at the marked fixing position using a 6mm drill to a depth of 35mm and loosely fix the rail end, checking that the rail is hanging vertically using the spirit level incorporated into the top end of the rail. The bubble should be exactly between the two lines on the spirit level body. Mark the position for the lower fixing screw, move the rail to one side, drill the wall, and fix the lower end of the rail.

Check that the rail is perfectly vertical and tighten both fixing screws. Slide the end cap into position on the top end of the rail, and ft the screw cover into the recess in the soap dish.

When fitting the hose, it should pass through the larger hole of the soap dish.

Note: The hose nut and not the handset handle, fits into the slider. The slider moves more freely on the rail if gripped next to the rail, rather than at the handset.



1. Rail end cap

2. Spirit level

3-4. Rail with slider attached

5. Soap dish

6. Screw cap

7. Soap dish fixing screw/ Rail fixing screw and wall plugs

Water Requirements

The installation must comply with all Water Authority and Building By-laws and Regulations.

If the shower is to be installed in a hard water area, we recommend that an in-line scale reducer is fitted. Please refer to your supplier for advice.

⚠ **Warning: The shower must not be installed in an area subject to freezing conditions. Do not use if you suspect the shower is frozen, this will damage the shower unit.**

The shower must not be installed in an area subject to freezing conditions. Do not use if you suspect the shower is frozen, this will damage the shower unit.

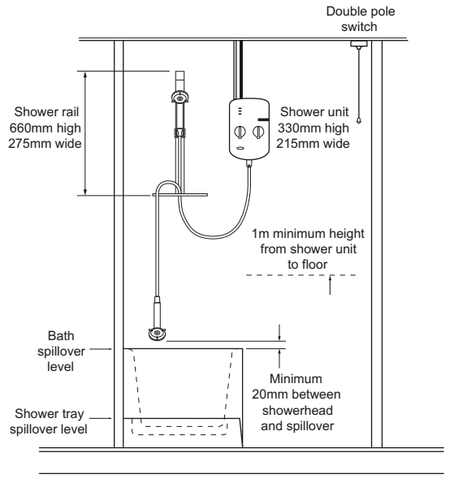
The shower must be connected to a mains water supply with a minimum running pressure of 1.0bar (100kPa, 14.5psi) at a minimum flow rate of nine litres per minute. The maximum static pressure must be 10bar (1MPa, 145psi).

During periods of high ambient temperatures (e.g. hot summer days), it may be necessary to select a lower power setting in order to achieve your ideal shower temperature.

If it is intended to operate the shower at pressures above the maximum or below the minimum stated, contact our Customer Services for advice. **0844 701 6273**.

Water regulation stipulates that the showerhead be 'constrained by a fixed or sliding attachment so that it can only discharge water at a point not less than 20mm above the spill over level of the bath or shower tray or other fixed appliance'.

If a showerhead can sit within a bath, basin or shower tray, you must ft a double check valve in the supply pipe work to prevent back siphonage. If the showerhead can sit within a WC then the air gap should be a type AUK3 not less than 20mm or twice the diameter of the inlet pipe to the fitting, whichever is the greater.


Double pole switch
Shower rail 660mm high 275mm wide
Shower unit 330mm high 215mm wide
1m minimum height from shower unit to floor
Bath spillover level
Minimum 20mm between showerhead and spillover
Shower tray spillover level

Pressure Relief Device (PRD)

A pressure relief device is designed into this shower. The pressure relief device provides protection should an excessive build up of pressure occur within the shower unit.

Do not use the shower with a damaged or kinked shower hose or blocked handset. This may trigger the PRD which will discharge through the vent in the front cover area. During the 'Commissioning' phase, the temperature control should be turned to the minimum flow setting and the handset removed from the hose.

In the event of the PRD activating, it is most likely water will be dispersed from the vent above the temperature control knob. If this happens, switch off the electricity and water supplies to the shower at the mains and contact Customer Services in order to obtain a new pressure relief device (PRD).

IMPORTANT! The shower unit must be fitted to a fat, tiled and fully waterproof surface. Under no circumstances should the shower unit be attached to a wall and then tiled up to the edges. The unit must be fxed on top of the wall surface.

Note: Do not seal the air gap between the wall and the unit with silicon sealant or similar gap filler. The gap is required to discharge condensation.

Plumbing Connections

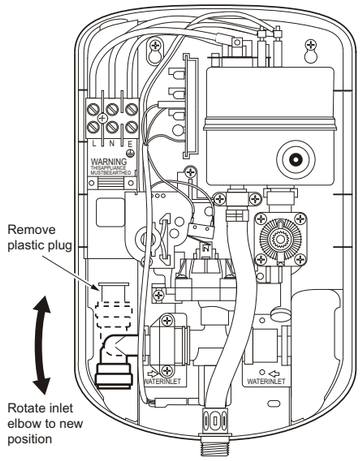
⚠ **Warning!** The outlet of the shower acts as a vent and must not be blocked, restricted or connected to any tap/ closure device other than the handset supplied.

Do not solder within 300mm of the shower unit or allow solder or Flux to fall onto the casings. Compression fittings must be used to connect to the shower inlet.

Important: An additional independent stop valve complying with the current water regulations must be fitted in the mains water supply as a means of isolating the supply to the unit for servicing and/or maintenance work.

It is essential that all pipe work is flushed through to remove debris and swarf that could otherwise damage the unit. Once the pipe work has been flushed through, turn off the water supply at the stop valve.

Connect the mains water supply to the inlet port of the shower using 15mm copper pipe (BS EN1057) or 15mm PEX plastic pipe. Do not use stainless steel pipework. If using chrome plated pipe ensure that the First 25mm of plating is carefully removed to prevent damage to the sealing surface. (see inlet entry options below).



Inlet Entry Options

The pipe work can enter the shower unit from 5 different positions. Top left, bottom left, rear left, rear right or bottom right.

To top or bottom left positions

The shower unit should come supplied with the inlet connection set for a bottom left position. To change it to a top left position:

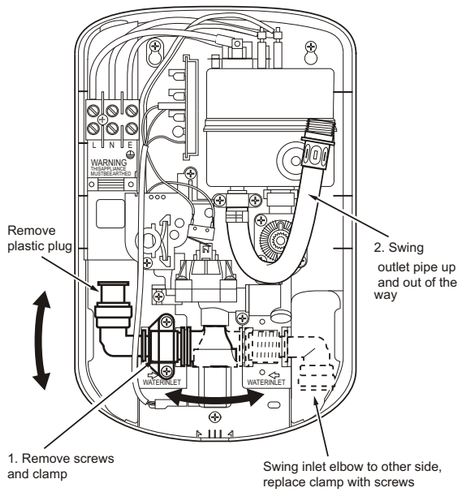
Swivel the connector elbow from facing downward to facing upward.

To bottom right position

Unfasten the two screws securing the inlet connector elbow clamp (1).Lift the outlet connection (2) from its position at the bottom of the unit and hold it up out of the way. Pull the connector elbow towards you and over to the right hand side with the inlet entry point facing down. Refasten the clamp and replace the outlet connection.

To rear entry position

Swivel the connector elbow to face a rear entry pipe connection. If the pipework entry is from the rear, ensure that there is space left around the push-ft elbow for future servicing. Bring the cold water pipe to the shower position and connect to the inlet elbow.

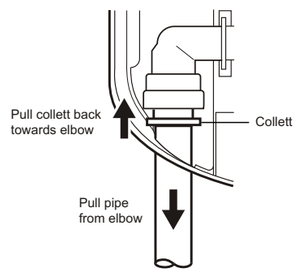

Remove plastic plug
2. Swing outlet pipe up and out of the way
1. Remove screws and clamp
Swing inlet elbow to other side, replace clamp with screws
WATERINLET

Connection

The inlet pipe connection into the elbow is a self-seal push-ft type. All burrs and rough edges must be removed from the end of the tube before attempting. If a chrome plated tube is used, remove the first 25mm of plating.

To release the pipe work from the push-ft type fitting, press and hold the collet against the elbow and pull the pipe out of the fitting.

Turn on the water supply and inspect for water leaks at the shower inlet. Once inspected-turn off the water supply.



Electrical Connections

⚠ **Warning! This appliance and all connecting pipework must be earthed.**

- Ensure that an earth continuity conductor is securely and permanently connected to all exposed, metal parts of other services and appliances within the room where the shower is installed.
- All cables **must** conform to the relevant tables within the I.E.E Regulations. The supply cable can be surface mounted and clipped, recessed or in conduit as detailed within the I.E.E Regulations.

Switch OFF the electricity supply at the consumer unit and remove the correct circuit fuse.

The power cable entry point is shown on the diagram. The cable can be surface clipped, hidden or via 20mm conduit. However, conduit entry can only be from the rear of this unit. Electrical connection to be made at the terminal block as follows:

Earth cable to the terminal marked with the Earth symbol **E** ⏚

Neutral cable to the terminal marked **N**

Live cable to the terminal marked **L**

<u>Important</u>: Terminals must be fully tightened onto the cables ensuring that no cable insulation is trapped under the screws. It must be metal to metal. Loose connections can result in the cables overheating.

The supply cable earth conductor must be sleeved. The supply cable must be secured by routing through conduit or in trunking or by being embedded in the wall in accordance with current I.E.E. regulations.

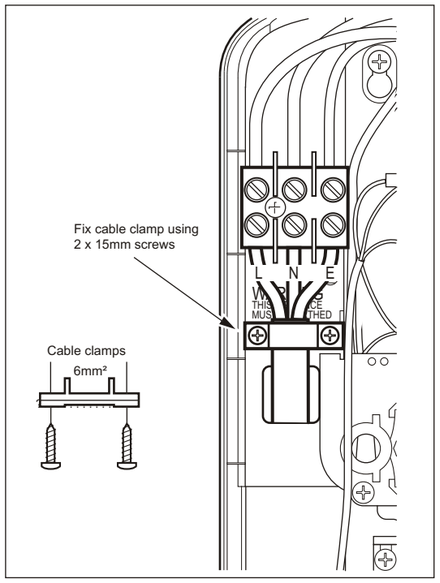
Secure the supply cable using the clamp, which is reversible for use with 6mm² or 10mm² cables. If the cable size used is greater than 10mm², the clamp should be discarded.

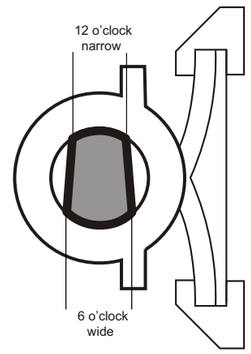
⚠ **Warning! Do not restore power to the shower unit until the cover has been fully fitted.**

Fit the cover onto the back plate ensuring no cables or pipes are trapped between both parts preventing the cover from closing correctly.

- Rotate the power control spindle with narrow part facing 12 o'clock.
- Rotate the splined temperature control spindle fully clockwise.
- Set the left hand power control knob with the index mark at 12 o'clock.
- Set the right hand temperature control knob with the index mark at 4 o'clock (full hot).
- If the clicker (Re: Part no. 5 page 14) has been removed then it must be re-ftted as follows:

  Rotate the spindle fully clockwise to the stop position. Fit the clicker with the aim to the left of the stop (11 o'clock position).
- Locate cover in position ensuring wiring is not trapped.
- (**Note:** slight angular adjustment of the knobs may be required to locate cover correctly).
- Secure using the 3 fxing screws supplied.





Power control spindle